

CLAIMS:

- 1 1. A method of predistorting an input signal, said method comprising:
2 using at least one outer predistortion function to adjust a signal to produce a
3 predistorted signal to an inner predistortion function; and
4 adjusting said predistorted signal using said inner predistortion function prior
5 to a distortion generating circuit.
- 1 2. The method of claim 1 comprising:
2 producing said inner predistortion function using an output of said inner
3 predistortion function and an output of said distortion generating circuitry.
- 1 3. The method of claim 1 comprising:
2 producing said outer predistortion function using an output of said outer
3 predistortion function and an output of said distortion generating circuitry.
- 1 4. The method of claim 1 comprising:
2 using an amplifier as said distortion generating circuitry.
- 1 5. A predistortion system comprising:
2 a distortion generating circuit; and
3 predistortion circuitry adapted to use at least one outer predistortion function
4 to adjust a signal to produce a predistorted signal to an inner predistortion function,
5 and to adjust said predistorted signal using said inner predistortion function prior to
6 said distortion generating circuit.
- 1 6. The system of claim 5 wherein said predistortion circuitry is configured
2 to produce said inner predistortion function using an output of said inner predistortion
3 function and an output of said distortion generating circuitry.

1 7. The system of claim 5 wherein said predistortion circuitry is configured
2 to produce said outer predistortion function using an output of said outer predistortion
3 function and an output of said distortion generating circuitry.

1 8. The system of claim 1 wherein said distortion generating circuit is an
2 amplifier.